Security Incident Alert Mechanism

- <u>Problem Statement</u>

Are women safe in present world. Every time a woman steps out when the sun goes down, she feels a twinge of fear. Not only her, everyone related to her too.At any unexpected,unfortunate time, your smartphone can be your best friend and protector.

Many security applications are available,but a one that recognizes a scream and act in case of emergency is rare.

- <u>Solution</u>

We make use of modern smart phone sensors for voice recognition and motion sensing to report such attacks.A woman in trouble can trigger this alert mechanism by herself.This initiate a call to a configured emergency number,by a scream.

Also in worst case of abduction,a shake of the smart phone would sent location details to the emergency contact number.

- <u>Solution Approach</u>

The application provides the user to set the configuration as below.

- Initiate call through voice recognition
- Initiate sms through a shake

The sms would contain location details such as longitude and latitude,being identified by GPS tracking.

The sms would be sent periodically,say in 10 mins.

Technologies used : Android SDK,Android 6.0,Windows 8,GPS,Java,Android smart phone,Google APIs

- <u>Final Outcome</u>

An android app which gives extensive security for women.

Scope of improvement include Scream recognition based on the voice intensity.